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(54) **System and method for predicting the timing of future service events of a product**

(57) A system (28) and method for predicting timing of future service events of a product. A database (30) contains a plurality of service information and performance information for the product. A statistical analyzer (34) analyzes the plurality of processed service information to determine a plurality of compartment failure in-

formation. A performance deterioration rate analyzer (42) analyzes the performance deterioration rate of the product from the plurality of service information and performance information. A simulator (44), simulates a distribution of future service events of the product according to the plurality of compartment failure information and the performance deterioration rate analysis.

FIG. 2